Water-Data Report 2010

01186500 STILL RIVER AT ROBERTSVILLE, CT

Lower Connecticut Basin
Farmington Subbasin

LOCATION.--Lat 41°58′02″, long 73°02′04″ referenced to North American Datum of 1927, Litchfield County, CT, Hydrologic Unit 01080207, on left bank 1,500 ft downstream from Sandy Brook, 1 mi southeast of Robertsville, 1 mi northwest of Riverton, and 1 mi upstream from mouth.

DRAINAGE AREA.--85.0 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1948 to Sept. 1967, July 1969 to current year.

REVISED RECORDS.--WSP 1901: 1948-60. WDR-CT-83-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 510.24 ft above National Geodetic Vertical Datum of 1929. Satellite telemetry at station.

REMARKS.--Records good except those for estimated periods, which are fair. Peak flows are affected by flood-control regulation at Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir since 1962. The natural flow regime can by altered by regulation from Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2010: U.S. Geological Survey Water-Data Report WDR-US-2010, site 01186500, accessed at http://wdr.water.usgs.gov/wy2010/pdfs/01186500.2010.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	45	218	185	177	e163	298	925	100	37	26	11	10
2	40	187	164	163	e155	264	643	98	51	22	10	9.1
3	50	174	565	146	e150	253	424	96	42	20	9.1	8.0
4	76	175	433	e140	e144	226	317	88	40	19	11	7.6
5	58	160	289	e136	e140	214	270	90	38	17	15	6.8
6	46	145	246	e133	e139	200	241	78	57	16	14	6.1
7	61	135	202	e131	e133	208	226	67	81	15	8.6	6.1
8	88	126	177	e128	e127	252	206	120	48	13	7.8	6.2
9	59	116	191	e126	e122	304	233	124	39	12	7.2	6.2
10	65	112	229	e122	e120	305	223	90	71	36	8.2	5.7
11	67	110	190	e121	117	323	187	73	90	40	8.9	5.6
12	60	101	168	e118	e114	358	167	89	111	25	8.2	5.4
13	48	97	192	e111	e107	555	150	97	239	20	8.0	5.7
14	45	183	359	e101	e99	2,430	147	152	157	20	7.3	5.7
15	84	295	305	87	84	1,480	138	143	98	19	6.3	5.4
16	125	213	278	87	87	1,080	125	99	69	17	7.6	5.3
17	128	169	209	85	95	824	207	82	56	17	8.5	6.2
18	127	138	e162	137	90	698	179	78	58	24	8.3	6.3
19	142	129	e150	140	84	535	160	138	43	24	7.5	6.1
20	129	243	e143	133	81	419	127	130	39	17	7.4	5.9
21	120	226	e137	111	80	360	120	88	36	19	7.0	6.2
22	119	173	e132	98	79	323	112	70	33	26	23	6.3
23	108	148	e128	90	82	1,100	110	62	50	30	82	6.1
24	230	140	e124	87	118	793	89	58	43	63	53	5.7
25	486	133	e120	937	308	441	112	51	40	42	36	5.1
26	273	132	126	1,400	992	403	138	46	33	29	27	4.9
27	188	166	694	696	636	339	202	53	33	21	20	7.7
28	300	250	512	452	396	288	168	42	58	17	16	44
29	377	205	290	223	---	1,060	129	39	42	16	14	28
30	249	180	209	180	---	1,940	102	39	32	14	13	233
31	204	---	201	e172	---	1,610	---	33	---	12	11	---
Total	4,197	4,979	7,510	6,968	5,042	19,883	6,577	2,613	1,864	708	481.9	476.4
Mean	135	166	242	225	180	641	219	84.3	62.1	22.8	15.5	15.9
Max	486	295	694	1,400	992	2,430	925	152	239	63	82	233
Min	40	97	120	85	79	200	89	33	32	12	6.3	4.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	132	171	197	196	197	306	359	198	133	62.5	78.4	79.6
Max	832	569	527	545	621	699	786	577	492	276	1,228	363
(WY)	(1956)	(1956)	(1974)	(2006)	(1981)	(1953)	(1987)	(1989)	(1972)	(1972)	(1955)	(1975)
Min	16.8	24.6	37.5	15.7	42.6	93.7	92.9	59.4	28.9	12.1	9.32	10.3
(WY)	(1958)	(1965)	(1981)	(1981)	(2007)	(2006)	(1985)	(1965)	(1995)	(1957)	(1957)	(1995)

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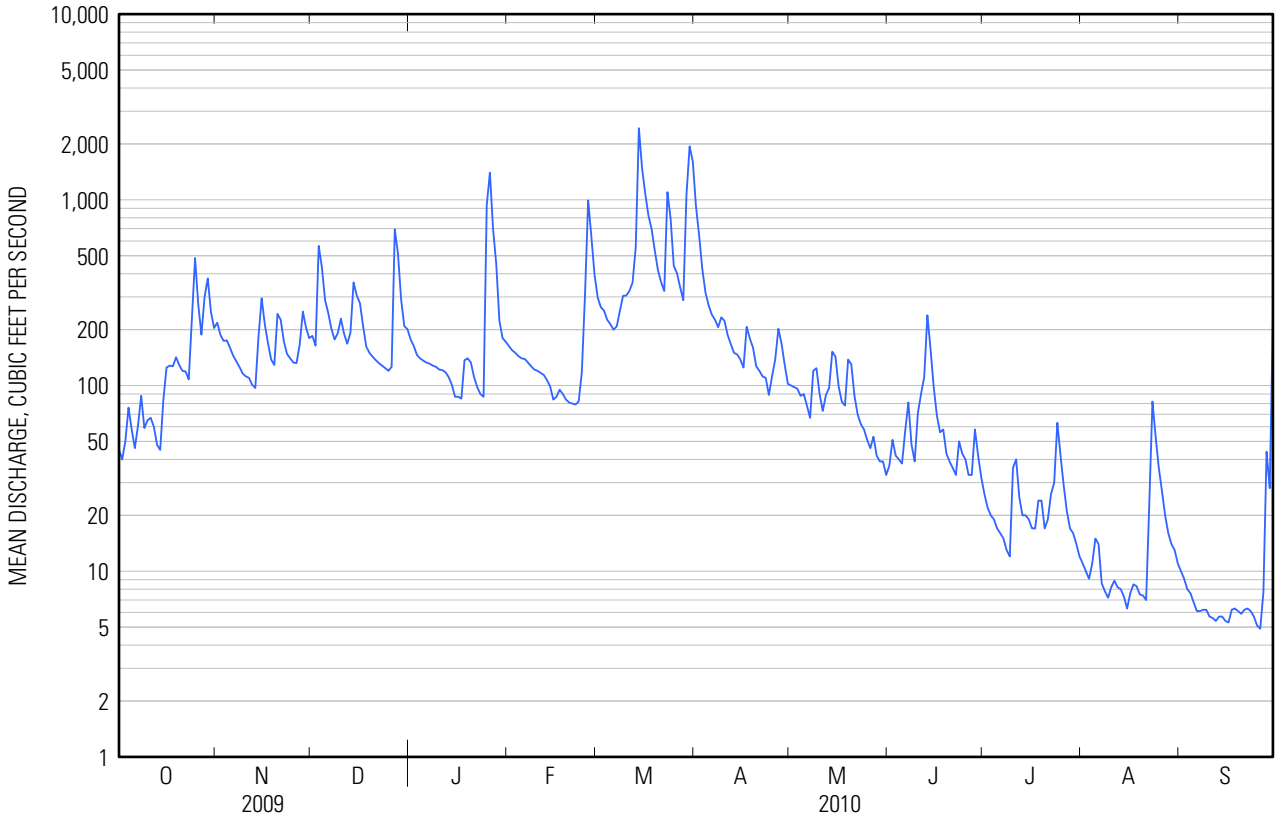
SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1949 - 2010	
Annual total	67,489		61,299.3			
Annual mean	185		168		175	
Highest annual mean					269	1955
Lowest annual mean					62.0	1965
Highest daily mean	1,140	Jun 19	2,430	Mar 14	24,800	Aug 19, 1955
Lowest daily mean	25	Sep 26	4.9	Sep 26	0.30	Sep 14, 1957
Annual seven-day minimum	28	Sep 20	5.5	Sep 10	2.1	Sep 10, 1995
Maximum peak flow			3,250	Mar 14	[a]44,000	Aug 19, 1955
Maximum peak stage			7.00	Mar 14	[b]16.48	Aug 19, 1955
Instantaneous low flow			4.8	Sep 25[c]	0.20	Sep 14, 1957
10 percent exceeds	357		323		376	
50 percent exceeds	140		110		104	
90 percent exceeds	53		8.3		23	

[a] From rating curve extended above 5,600 ft³/s on basis of slope-area measurement of peak flow.
[b] From floodmarks.
[c] Also Sep. 26-27.